

Complexes of N-thiophosphorylated thioureas and triphenylphosphine with CuI

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Abstract

The complexes $(\text{PriO})_2\text{P}(\text{S})\text{NHC}(\text{S})\text{R}$ ($\text{R} = \text{NEt}_2, \text{NHPH}$), $[(\text{PriO})_2\text{P}(\text{S})\text{NHC}(\text{S})]$ 2-1,10-diaza-18-crown-6 have been obtained by the metathesis reaction of potassium salts of corresponding thiophosphorylated thioureas with $(\text{PPh}_3)_2\text{CuNO}_3$; the crystal structure of $(\text{Ph}_3\text{P})_2\text{Cu}[\text{Et}_2\text{NC}(\text{S})\text{NP}(\text{S})(\text{OPri})_2]$ has been confirmed by X-ray crystallography.
